

Figure S1. Expression of reference genes in ovariectomized mouse uterus after estrogen or progesterone treatment (A) To confirm the hormonal responsiveness to estrogen, mRNA expression of Cysteine-rich angiogenic inducer 61 (*Cyr61*), Ras Related Dexamethasone Induced 1 (*Rasd1*), and Lactoferrin (*Ltf*) were investigated in uteri of OVX mice after estrogen (E_2 , 200ng/mouse) treatment using qRT-PCR. Uteri were collected at 0, 2, 4, 6, 12, and 24 h after E_2 treatment. (B) Hormone responsiveness to P_4 was referenced by evaluating mRNA levels of amphiregulin (*Areg*) and Homeobox A10 (*Hoxa10*) in uteri of OVX mice after progesterone (P_4 , 2mg/mouse) treatment. Uteri were collected at 0, 2, 4, 6, 12, and 24 h after P_4 treatment. The fold changes were evaluated by comparing the level of *Cyr61*, *Rasd1*, *Ltf*, *Areg*, and *Hoxa10* mRNA in oil treated OVX uterus (0h). The relative expression level of target genes was normalized with *Rpl7* transcripts. Data were shown with mean \pm SEM. The one-way ANOVA analysis and Tukey's test were used to calculate the p-value, **p < 0.01, ***p < 0.001.

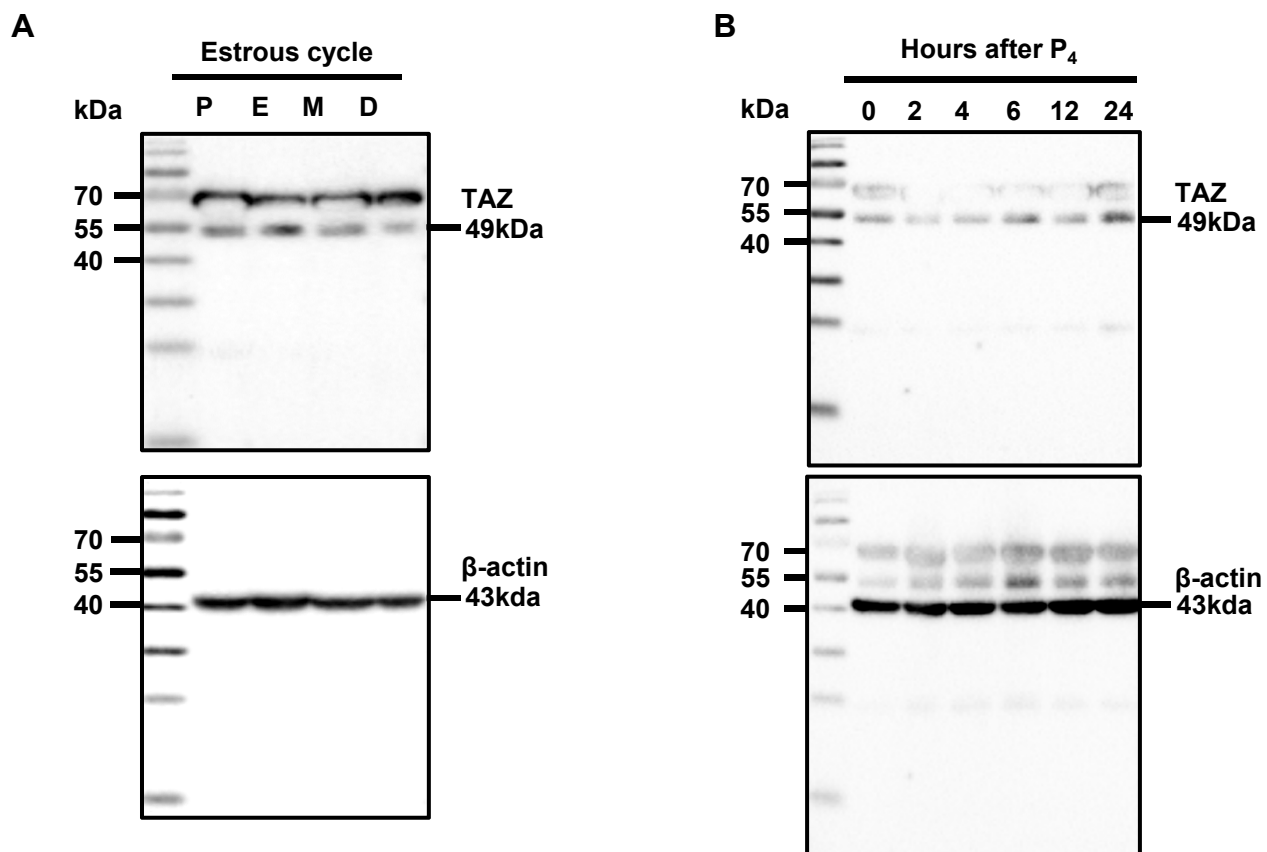


Figure S2. Raw image files of the Western blotting bands corresponding to the main figure 2,3. (A) Full blot western blot image for TAZ(49kDa) and β-actin(43kDa) shown in Figure 2A. (B) Full blot western blot image for TAZ and β-actin shown in Figure 3C. Molecular weight markers are indicated on the left.

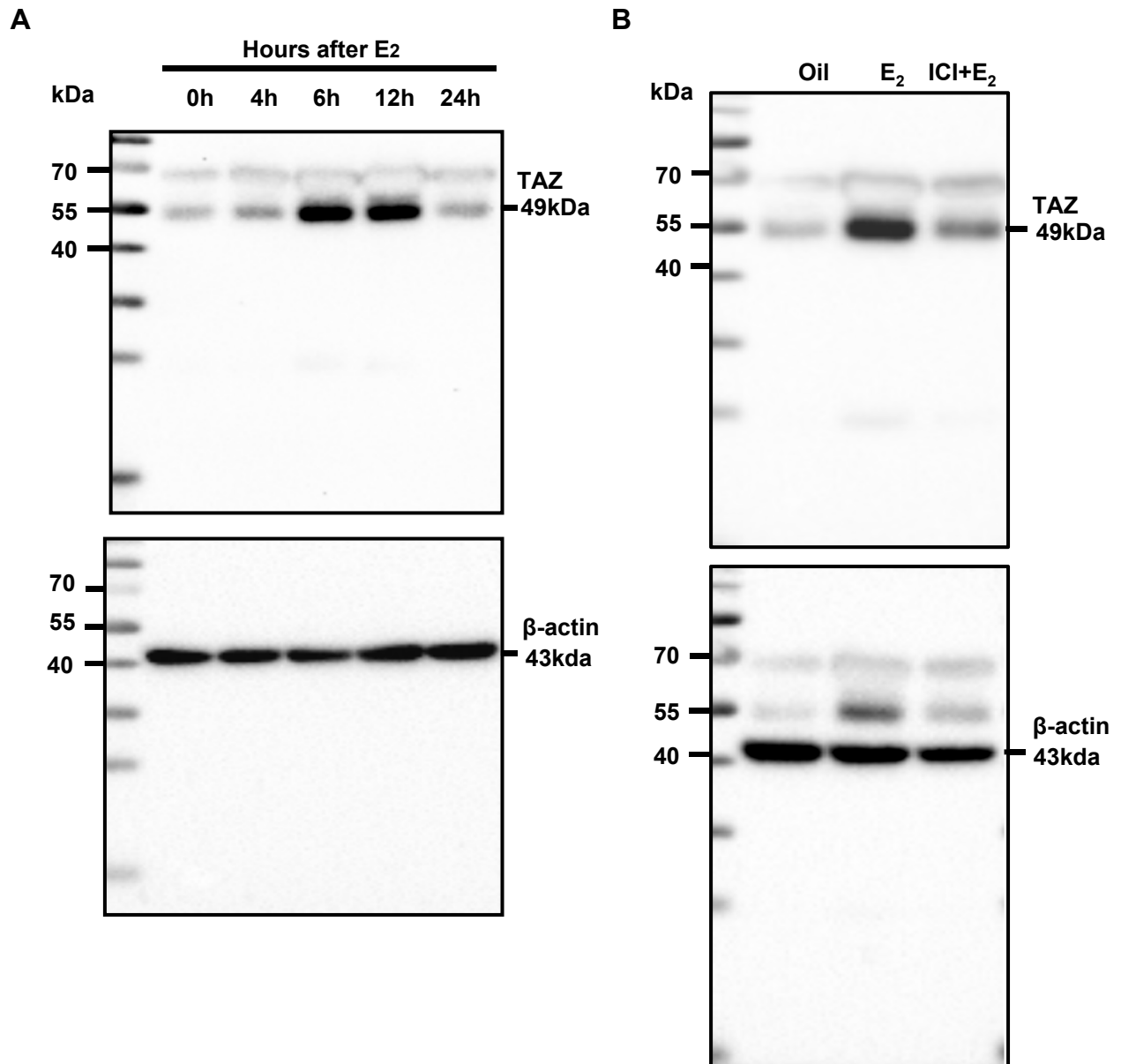


Figure S3. Raw image files of the Western blotting bands corresponding to the main figure 4,5. (A) Full blot western blot image for TAZ(49kDa) and β -actin(43kDa) shown in Figure 4A. (B) Full blot western blot image for TAZ and β -actin shown in Figure 5A. Molecular weight markers are indicated on the left.